

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:****What I claim is:**

1. (Currently amended): A posterior part cleansing apparatus consisting of the following components:
  - a. A piping connection from a cold water source to an external ~~eneapsulating~~ housing,
  - b. An electrical power source connected to said external ~~eneapsulating~~ housing,
  - ~~c. Said external eneapsulating housing, having a volume ranging from 50 to 500 cubic inches,~~
  - d. Said external ~~eneapsulating~~ housing containing the following components:
    - i. An internal cleaning fluid housing,
    - ii. A cleaning fluid level controlling valve to maintain the water level within said internal cleaning fluid housing,
    - iii. A cleaning fluid pump,
    - iv. A means to interrupt the cleaning fluid flow after deactivation of said fluid pump,
    - v. A fluid heater,
    - vi. An electric power source that provides power to both said heater and pump,
  - e. A means to control duration of pump activation;

- f. A cleaning nozzle mounted within the confines of any conventional toilet bowl;
  - g. A means to pipe the cleaning fluid to a cleaning nozzle;
  - h. Said cleaning nozzle creating a diffused stream of cleaning fluid to a specific projected cleaning space located within the confines of the toilet bowl where;
    - i. Said projected cleaning space is parallel to the area projected by the upper rim of the toilet bowl,
    - ii. Said projected cleaning space is centered in the rear half of the toilet bowl along the longitudinal center line and segmented by the latitudinal center line of the toilet bowl,
    - iii. Said projected cleaning space upper area is planar in any geometric shape fitting within the confines of an oval area, centered in the rear half along the longitudinal axis of any conventional toilet bowl, where said oval area has a maximum width of 150 millimeters and a maximum length of 200 millimeters, and said oval area is bound in the rear end of said toilet bowl by the inner rim of said toilet bowl.
    - iv. Said projected cleaning space has a height protruding into the toilet bowl of up to 100 millimeters.
2. **(Original):** A posterior part cleansing apparatus specified in Claim 1, where the cleaning nozzle creates a plurality of streams of cleaning fluid toward the projected cleaning space.
3. **(Previously presented):** A posterior part cleansing apparatus specified in Claim 1, where a pressure sensitive switch is located under the seat of any conventional toilet bowl.
4. **(Previously presented):** A posterior part cleansing apparatus specified in Claim 2, where a pressure sensitive switch is located under the seat of any conventional toilet bowl.

5. **(Previously presented):** A posterior part cleansing apparatus specified in Claim 1, where the cleaning nozzle has a sanitary cleaning cycle after every use wherein a disinfectant and/or deodorizer is deposited onto the exposed nozzle surfaces.
6. **(Original):** A posterior part cleansing apparatus specified in Claim 2, where the cleaning nozzle has a sanitary cleaning cycle after every use wherein a disinfectant and deodorizer is deposited onto the exposed nozzle surfaces.
7. **(Previously presented):** A posterior part cleansing apparatus specified in Claim 1, where said cleaning nozzle is mounted along the longitudinal axis at the back end of any conventional toilet bowl with a vertical tolerance from the center line of plus or minus 100 millimeters, and said cleaning nozzle is positioned below the upper edge of the rim of said toilet bowl within the toilet bowl in a horizontal tolerance range from 0 to 150 millimeters and within 0 to 100 millimeters of the inner wall of said toilet bowl.
8. **(Currently amended):** A posterior part cleansing apparatus specified in Claim 2, where said cleaning nozzle is mounted along the longitudinal axis at the back end of any conventional toilet bowl with a vertical tolerance from the center line of plus or minus 100 ~~[[80]]~~ millimeters, and said cleaning nozzle is positioned below the upper edge of the rim of said toilet bowl within the toilet bowl in a horizontal tolerance range from 0 ~~[[30]]~~ to 150 millimeters and within 0 to ~~[[175]]~~ 150 millimeters of the inner wall of said toilet bowl.
9. **(Currently amended):** A process employing a posterior part cleansing apparatus specified ~~[[as]]~~ in ~~one of~~ Claim~~[[s]]~~ 1, 2, 3, 4, 5, 7 or 33, 1-7, where cleaning fluid is provided to the projected cleaning space at a rate ranging from 10 to 50 milliliters per second and at a temperature ranging from 25 to 50 degree centigrade.
10. **(Original):** A process employing a posterior part cleansing apparatus specified in Claim 2, where cleaning fluid is provided to the projected cleaning space at a rate ranging from 10 to 50 milliliters per second at a temperature ranging from 25 to 50 degree centigrade.

11. (Currently amended): A process employing a posterior part cleansing apparatus specified ~~[[as]] in one of Claim[[s]] 1, 2, 3, 4, 5, 7, 9 or 33, 1-7,~~ where the cleaning fluid is provided to the projected cleaning space at a rate ranging from 10 to 50 milliliters per second, at a temperature ranging from 25 to 50 degree centigrade, and at a nozzle exit velocity ranging from 4 to 6 meters per second.
12. (Original): A process employing a posterior part cleansing apparatus specified in Claim 2, where the cleaning fluid is provided to the projected cleaning space at a rate ranging from 10 to 50 milliliters per second, at a temperature ranging from 25 to 50 degree centigrade, and at a nozzle exit velocity ranging from 4 to 6 meters per second.
13. (Currently amended): A process employing a posterior part cleansing apparatus specified ~~[[as]] in one of Claim[[s]] 1, 2, 3, 4, 5, 7, 9, 11 or 33, 1-7,~~ where cleaning fluid is provided to the projected cleaning space at a rate ranging from 10 to 50 milliliters per second and at a temperature ranging from 25 to 50 degree centigrade, and a disinfectant and deodorizer is deposited onto the exposed nozzle surfaces for a period ranging from 0.5 to 10 seconds at the end of every cleaning cycle.
14. (Original): A process employing a posterior part cleansing apparatus specified in Claim 2, where cleaning fluid is provided to the projected cleaning space at a rate ranging from 10 to 50 milliliters per second and at a temperature ranging from 25 to 50 degree centigrade, and a disinfectant and deodorizer is deposited onto the exposed nozzle surfaces for a period ranging from 0.5 to 10 seconds at the end of every cleaning cycle.
15. (Currently amended): A process employing a posterior part cleansing apparatus specified ~~[[as]] in one of Claim[[s]] 1, 2, 3, 4, 5, 7, 9, 11, 13 or 33, 1-7,~~ where the cleaning fluid is water.
16. (Original): A process employing a posterior part cleansing apparatus specified in Claim 2, where the cleaning fluid is water.
17. (Currently amended): A process employing a posterior part cleansing apparatus specified ~~[[as]] in one of Claim[[s]] 1, 2, 3, 4, 5,~~



~~7, 9, 11, 13, 15 or 33, 1-7~~, where the cleaning fluid is a mixture of soap and water.

18. (Original): A process employing a posterior part cleansing apparatus specified in Claim 2, where the cleaning fluid is a mixture of soap and water.
19. (Currently amended): A process employing a posterior part cleansing apparatus specified ~~[[as]] in one of Claim[[s]] 1, 2, 3, 4, 5, 7, 9, 11, 13, 15, 17 or 33, 1-7~~, where the cleaning fluid is a mixture of water, anti-bactericides and soap.
20. (Original): A process employing a posterior part cleansing apparatus specified in Claim 2, where the cleaning fluid is a mixture of water, anti-bactericides and soap.
21. (Currently amended): A process employing a posterior part cleansing apparatus specified ~~[[as]] in one of Claim[[s]] 1, 2, 3, 4, 5, 7, 9, 11, 13, 15, 17, 19 or 33, 1-7~~, where the cleaning fluid is a mixture of water, anti-bactericides, anti-smelling agents and soap.
22. (Original): A process employing a posterior part cleansing apparatus specified in Claim 2, where the cleaning fluid is a mixture of water, anti-bactericides, anti-smelling agents and soap.
23. (Currently amended): A process employing a posterior part cleansing apparatus specified ~~[[as]] in one of Claim[[s]] 1, 2, 3, 4, 5, 7, 9, 11, 13, 15, 17, 19, 21 or 33, 1-7~~, where the duration of the cleaning cycle is automatically time controlled.
24. (Original): A process employing a posterior part cleansing apparatus specified in Claim 2, where the duration of the cleaning cycle is automatically time controlled.
25. (Currently amended): A process employing a posterior part cleansing apparatus specified ~~[[as]] in one of Claim[[s]] 1, 2, 3, 4, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23 or 33, 1-7~~, where the duration of the cleaning cycle is manually time controlled.
26. (Original): A process employing a posterior part cleansing apparatus specified in Claim 2, where the duration of the cleaning cycle is manually time controlled.

27. (Currently amended): A process employing a posterior part cleansing apparatus specified ~~[[as]] in one of Claim[[s]] 1, 2, 3, 4, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25 or 33, 1-7,~~ where the rate of cleaning fluid is controllable within a range of 10 to 50 milliliters per second.
28. (Original): A process employing a posterior part cleansing apparatus specified in Claim 2, where the rate of cleaning fluid is controllable within a range of 10 to 50 milliliters per second.
29. (Currently amended): A process employing a posterior part cleansing apparatus specified ~~[[as]] in one of Claim[[s]] 1, 2, 3, 4, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27 or 33, 1-7,~~ where the temperature of the cleaning fluid is controllable within a range of 15 to 50 degrees centigrade.
30. (Original): A process employing a posterior part cleansing apparatus specified in Claim 2, where the temperature of the cleaning fluid is controllable within a range of 15 to 50 degrees centigrade.
31. (Currently amended): A process employing a posterior part cleansing apparatus specified ~~[[as]] in one of Claim[[s]] 1, 2, 3, 4, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29 or 33, 1-7,~~ where the rate of cleaning fluid is controllable within a range of 10 to 50 milliliters per second, and where the temperature of the cleaning fluid is controllable within a range of 30 to 50 degrees centigrade.
32. (Original): A process employing a posterior part cleansing apparatus specified in Claim 2, where the rate of cleaning fluid is controllable within a range of 10 to 50 milliliters per second, and where the temperature of the cleaning fluid is controllable within a range of 30 to 50 degrees centigrade.
33. (Previously presented): A posterior part cleansing apparatus specified in Claim 1, where the cleaning nozzle creates a single of stream of cleaning fluid toward the projected cleaning space.
34. (Currently amended): An apparatus specified ~~[[as]] in one of Claim[[s]] 1, 7, 1, 2, 3, 4, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29 or 33,~~ where a bidet function is provided through a second cleaning nozzle assembly.

35. (Currently amended): An apparatus specified in Claim 34, where the said external encapsulating housing is mountable to any conventional toilet bowl as a replacement of a conventional toilet seat and lid assembly.
36. (Currently amended): An apparatus specified in Claim 35, where a post posterior part cleansing air drying function is incorporated within said external encapsulating housing.
37. (Currently amended): An apparatus specified in Claim 36, where a plenum chamber uniformly distributes heated air to multiple points of use within said external encapsulating housing.
38. (Previously presented): An apparatus specified in Claim 36, where the air drying function is automatically activated.
39. (Previously presented): An apparatus specified in Claim 36, where the air drying function is manually activated.
40. (Previously presented): An apparatus specified in Claim 36, where the drying air temperature and volume is user selectable.
41. (cancel): An apparatus specified in Claims 34, 35, 36, 37, 38, 39, or 40, employing processes specified in Claims 9, 11, 13, 15, 17, 19, 21, 23, 25, or 27, where replaceable cartridges are used as source for each component of several posterior part cleaning process additives.
42. (Currently amended): An apparatus specified in Claim[[s]] 36, ~~37, 38, 39, or 40,~~ where a replaceable air freshener cartridge is incorporated into the said air drying function.
43. (Currently amended): An apparatus specified in Claim[[s 34,]] 35, ~~36, 37, 38, 39, 40 or 41,~~ where the external encapsulating housing material include anti-bacterial polymer components.
44. (Currently amended): An apparatus specified in Claim 43, where a hand sprayer assembly consisting of a connection to a cleaning fluid source, a cleaning fluid hose, a dispensing spray nozzle, a manually activated on/off valve are attached to said external encapsulating housing.

45. (Currently amended): An apparatus specified in Claim 44, where the hand sprayer is an attachment to said external encapsulating housing via quick disconnect.
46. (Currently amended): An apparatus specified in Claim 45, where the hand sprayer is an integral part of said external encapsulating housing.
47. (Previously presented): An apparatus specified in Claim 35, where a small portion of the cleaning fluid is diverted to several diffusing cleaning fluid outlets for the purposes of cleaning exposed apparatus surfaces, while operating said posterior part cleansing nozzles.
48. (Previously presented): An apparatus specified in Claim 47, where said diffusing cleaning fluid outlets are positioned such that the resulting cleaning fluid flow is along the axis of the moveable portion of the posterior part cleansing nozzle assembly.
49. (Currently amended): An apparatus specified in Claim[[s]] 35, 36, ~~37, 38, 39, 40, 41, 42, 43 or 44~~, where an apparatus cleaner cartridge is integrated into the encapsulated external housing and utilized in a post use apparatus cleaning cycle.
50. (Previously presented): An apparatus specified in Claim 35, where the moveable portion of the posterior part cleansing nozzle housing is mechanically cleaned during its retraction movement.
51. (Previously presented): An apparatus specified in Claim 35, where the cleaning nozzle is replaceable and contains different orifice sizes and orifice shapes.
52. (Previously presented): An apparatus specified in Claim 51, where the cleaning nozzle is color coded.
53. (Previously presented): An apparatus specified in Claim 52, where the cleaning nozzle connection is indexed and a push-in type.
54. (Previously presented): An apparatus specified in Claim 35, where the cleaning nozzle is retractable to a non-use position.
55. (Previously presented): An apparatus specified in Claim 35, where the cleaning nozzle movement into an operating position is cleaning fluid pressure activated.



- 56. (Previously presented):** An apparatus specified in Claim 35, where the cleaning nozzle movement into an operating position is solenoid activated.
- 57. (Previously presented):** An apparatus specified in Claim 35, where the cleaning nozzle movement into an operating position is mechanically activated.
- 58. (Previously presented):** A process employing a posterior part cleansing apparatus specified in Claim 35, where the cleaning fluid is water.
- 59. (Previously presented):** A process employing a posterior part cleansing apparatus specified in Claim 35, where the cleaning fluid is a mixture of soap and water.
- 60. (Previously presented):** A process employing a posterior part cleansing apparatus specified in Claim 35, where the cleaning fluid is a mixture of water, anti-bactericides and soap.
- 61. (Previously presented):** A process employing a posterior part cleansing apparatus specified in Claim 35, where the cleaning fluid is a mixture of water, anti-bactericides, anti-smelling agents and soap.